Index of Claims

| Applica | tion | Control | No |
|---------|------|---------|----|

10/774,393

Examiner

Mina Haghighatian

Applicant(s)/Patent under Reexamination

CRIPPS ET AL.

Art Unit

1616

| √ | Rejected |
|---|----------|
| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | Γ         |                  |          | - 1      | Date   | <u> </u>     |  |              |  | Cla   | aim      | Γ               |                 | -         | С        | ate      |          |          |  | CI    | aim        |          |                   |          | D        | ate       |                |              | _            |           |
|--|----------|-----------|------------------|----------|----------|--|--------------|--|--------------|--|-------|----------|-----------------|-----------------|-----------|----------|----------|----------|----------|--|-------|------------|----------|-------------------|----------|----------|-----------|----------------|--------------|--------------|-----------|
|  | ख        | 3,        |                  |          |          |  |              |  |              |  |       | a        |                 |                 |           |          |          |          |          |  |       | ब          |          |                   |          |          |           |                |              |              |           |
| Final  | Original | _         | 1                |          |          |  |              |  |              | l  | Final | Original |                 |                 |           | ı        |          |          |          |  | Final | Original   |          |                   |          |          |           | ı              |              |              |           |
| Œ  | ō,       | 0         | ŧ                |          |          | l  |              |  |              |  | Œ     | ğ        |                 |                 |           |          |          |          |          |  | Œ     | Ö          |          |                   |          |          | ľ         |                |              |              |           |
|  |          | Ļ.        | ├                | ┝        | ⊢        | ├  | ├            |  | ┢            | ⊢  |       |          | V               | Н               |           | $\dashv$ |          | +        | +        | H  |       | 101        | Н        | $\vdash$          | -+       | +        | +         | +              | +            | +            | $\dashv$  |
| $\vdash$   | _1<br>_2 | H         | ⊢                | ⊢        | ╁        | ┝  | ┢            |  | ┢            | ⊢  |       | 51<br>52 | "               | Н               |           | -+       | +        | ╁        | ╁╾       |  |       | 102        |          | $\vdash$          | +        | +        | $\dashv$  | -+             | +            | +            | $\dashv$  |
|  | 3        | H         | ╁                | ┢        | ╁        | $\vdash$   | $\vdash$     |  | ╁            | $\vdash$   |       |          | V               | Н               | -         |          | +        | +-       | +        | -  |       | 103        | Н        | -                 | +        | +        | $\dashv$  | +              | +            | +            | ᅱ         |
|  | 4        |           | $\vdash$         | ╁╴       | ┢        | ╁  | $f^{-}$      | -  | $\vdash$     | $\vdash$   |       | 54       | 1               |                 |           | $\dashv$ | $\dashv$ | +        | +-       | H  |       | 104        | Н        | $\vdash$          | +        | 7        | 寸         | 7              | $\top$       | $\top$       | ᅱ         |
|  | 5        | Т         |                  |          |          |  |              |  | $t^-$        | -  |       | 55       | 1               |                 |           | $\dashv$ | ╅        | +        | 1        |  | _     | 105        |          |                   | T        | 1        | 7         | 寸              | $\top$       | 寸            | ヿ         |
|  | 6        |           |                  | Τ        | $\vdash$ | $\vdash$   | Г            |  |              |  |       | 56       | П               |                 |           |          |          |          |          |  |       | 106        |          |                   |          |          | $\Box$    | $\Box$         | $oxed{oxed}$ | $\Box$       |           |
|  | 7        |           |                  |          |          |  |              |  |              |  |       | 57       | $\prod$         |                 |           |          |          | $\perp$  |          |  |       | 107        |          |                   |          | $\perp$  | _         |                | $\perp$      | $\perp$      | ╝         |
|  | 8        |           |                  | L        | ╙        | <u> </u>   | L            |  | <u> </u>     |  |       | 58       | 1               | Ш               |           | _        | 4        | ┸        | ↓_       |  |       | 108        | L        |                   | _        | 4        | 4         | _              | $\bot$       | 4            | ᆜ         |
|  | 9        | _         | <u> </u>         | ļ        |          | <b>├</b>   | <u> </u>     | <u> </u>   | ļ            | _  |       | 59       | $\sqcup$        | Ш               | }         | -        | -        | +        | ╄        |  |       | 109        | Ш        | $\vdash$          | +        | +        | $\dashv$  | -1             | +            | +            | $\dashv$  |
|  | 10       | _         | ⊢                | ┢        | ╀        | ├  |              |  | ├            | <u> </u>   |       | 60       | H               | -               |           | -+       | +        | +        | ┼        | -  |       | 110        |          | $\vdash$          | +        | +        | +         | +              | +            | $\dashv$     | ᅱ         |
| ļ  | 11<br>12 | -         |                  | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | -  | ├-           | ├-   |       | 61<br>62 | ₩               | Н               |           | +        | +        | +        | +        | $\vdash$   |       | 111<br>112 | Н        | +                 | +        | +        | +         |                | +            | +            | $\dashv$  |
| $\vdash$   | 13       | 一         |                  | ╁        | +-       | ├  | ├-           | $\vdash$   | $\vdash$     | $\vdash$   |       | 63       | ₩               | H               | $\dashv$  | +        | +        | +        | +        | -  |       | 113        | Н        | $\dashv$          | +        | +        | +         | $\dashv$       | +            | +            | $\dashv$  |
|  | 14       | $\vdash$  | $\vdash$         | $\vdash$ | +-       | $\vdash$   | $\vdash$     | H  | $\vdash$     | <del>                                     </del> |       | 64       | ╫               | $\vdash \vdash$ |           | $\dashv$ | +        | +-       | +        | H  |       | 114        |          | $\vdash \uparrow$ | +        | $\dashv$ | $\dashv$  | $\dashv$       | +            | 十            | $\dashv$  |
|  | 15       | $\vdash$  | T                | T        | T        | $\vdash$   | $\vdash$     |  | 1            | <u> </u>   |       | 65       | $\dag \uparrow$ | $\vdash$        |           | 7        | _        | +        | +        |  |       | 115        |          | $\vdash$          | $\top$   | $\top$   | $\dashv$  | $\neg \dagger$ | $\top$       | $\forall$    | ㅓ         |
|  | 16       |           |                  | T        | T        | t  |              |  |              | Ī.,  |       | 66       | ДТ              |                 |           | ╗        |          |          |          |  |       | 116        |          |                   | I        |          |           |                | 丁            |              |           |
|  | 17       |           |                  |          |          |  |              |  |              |  |       | 67       | П               |                 |           |          |          |          |          |  |       | 117        |          |                   |          |          |           | $\Box$         | $\perp$      | $\Box$       |           |
|  | 18       |           |                  |          |          |  |              |  |              |  |       | 68       | $\prod$         |                 |           |          |          |          |          |  |       | 118        |          |                   |          |          |           |                | $\perp$      | $\Box$       |           |
|  | 19       |           |                  |          | _        |  |              |  | <u> </u>     |  |       | 69       | Щ               |                 | Ш         | _        |          |          | _        |  |       | 119        |          | $\perp$           | $\dashv$ | _        | 4         |                | _            | _            | _         |
| <u> </u>   | 20       | <u> </u>  | ļ                | ┞-       | ↓_       | 1_   |              |  | <u> </u>     | <u> </u>   |       | 70       | Ш               |                 | Ш         | _        |          | +        | ╄        | L  |       | 120        |          | $\vdash \vdash$   | -        | +        | 4         | -              | +            | 4            | _         |
|  | 21       | _         | ┞                | ├        |          | ┝  | -            |  | ├—           | <u> </u>   | _     | 71<br>72 | Н               | Н               | _         | $\dashv$ | +        | +        | +-       |  |       | 121<br>122 | _        |                   | +        | -        | -         | $\dashv$       | +            | +            | $\dashv$  |
|  | 22       | _         | <del> </del>     | -        | ╀        | ├  | <del> </del> | _  | ⊢            | ⊢  |       | 73       | ₩               | Н               | $\dashv$  | ᅪ        | +        | +-       | +        | ┢  |       | 123        |          | $\vdash$          | +        | +        | $\dashv$  | $\dashv$       | +            | +            | $\dashv$  |
| <u> </u>   | 24       | -         | $\vdash$         | ╁        | ╁        | ⊢  | $\vdash$     |  | -            | -  |       | 74       | 1               | Н               |           |          | +        | +        | +        | -  |       | 124        |          | -+-               | +        | +        | +         | -+             | +            | +            | ᅱ         |
|  | 25       | _         | ╁                | ╁        | ╁╌       | ╁  | $\vdash$     |  | -            | -  |       | 75       | r               | Н               |           | -        | +        | +        | +-       |  |       | 125        |          |                   | +        | $\top$   | $\dashv$  | _              | +            | $\dagger$    | $\dashv$  |
|  | 26       | -         | <u> </u>         | $t^-$    | ╁        | 一  | H            |  | $\vdash$     | $\vdash$   |       | 76       | 1               |                 | $\exists$ | 寸        | $\top$   | $\top$   | †        |  |       | 126        |          | 1                 | _        | $\top$   | $\dashv$  | 7              | 十            | ヿ            | $\dashv$  |
|  | 27       |           | Ī                | T        | Т        | T  | Т            |  | T            | Г  |       | 77       | · · · ·         | П               |           |          |          | T        | T        |  | ·     | 127        |          |                   | $\neg$   |          |           | T              |              |              |           |
|  | 28       |           |                  |          |          |  |              |  |              |  |       | 78       |                 |                 |           |          |          |          |          |  |       | 128        |          |                   | $\Box$   | $\Box$   |           |                | $\perp$      | $\Box$       |           |
|  | 29       |           |                  | L        |          |  |              |  |              |  |       | 79       |                 |                 |           |          |          | $\perp$  |          |  |       | 129        |          |                   | _        | _        |           | _ .            | 4            | $\downarrow$ |           |
|  | 30       |           |                  |          |          |  |              |  | L            |  |       | 80       |                 | Ш               |           |          | 1        | ┸        | _        |  |       | 130        |          |                   | 4        | 1        | $\dashv$  |                | 4            | _            |           |
|  | 31       | <u> </u>  | _                | _        | <u> </u> | _  |              |  | <u> </u>     | <u> </u>   |       | 81       |                 | Ш               | $\dashv$  | _        |          |          | -        | Ь  |       | 131        |          | $\vdash$          | -        | -        | $\dashv$  | _              | +            | $\dashv$     | 긕         |
|  | 32       | <u> </u>  | $\vdash$         | ╀        | ₩        | ⊢  | $\vdash$     | -  | -            | <u> </u>   |       | 82       |                 | Н               |           |          | +        | +-       | +-       | ├  |       | 132<br>133 | _        | -                 | +        | +        | $\dashv$  | $\dashv$       | +            | +            | $\dashv$  |
|  | 33<br>34 | -         | -                | $\vdash$ | +        | $\vdash$   | $\vdash$     |  | -            | ├  |       | 83<br>84 | $\vdash$        | $\vdash$        |           | $\dashv$ | +        | +        | +        | ├  |       | 133        |          | $\vdash \vdash$   | +        | +        | +         | $\dashv$       | +            | +            | $\dashv$  |
|  | 35       | $\vdash$  | $\vdash$         | $\vdash$ | +        | $\vdash$   | $\vdash$     | -  | $\vdash$     | $\vdash$   |       | 85       | $\vdash$        | $\vdash$        |           | $\dashv$ | $\dashv$ | ╈        | +        | <del> </del>                                     |       | 135        |          | $\vdash \vdash$   | +        | +        | +         | $\dashv$       | +            | $\dashv$     | $\dashv$  |
|  | 36       | -         | $\vdash$         | $\vdash$ | $\vdash$ | +-   | +            |  | H            | $\vdash$   |       | 86       | H               | $\vdash$        | $\dashv$  | 7        | +        | +-       | +        | $\vdash$   |       | 136        |          | $\vdash$          | $\dashv$ | +        | $\dashv$  | 十              | 十            | $\dashv$     | $\dashv$  |
|  | 37       | _         | $\vdash$         | t        | t        | 1  | T            | $\vdash$   | T            | Т  |       | 87       | Ι               | Н               |           | 7        | $\dashv$ | $\top$   | T        |  |       | 137        |          |                   | 十        | $\top$   | $\dashv$  | 十              | $\top$       | $\forall$    | $\dashv$  |
|  | 38       |           | Τ                | T        | $\vdash$ | <del>                                     </del> | $\vdash$     | T  | H            | T  |       | 88       | T               | Н               |           | $\dashv$ | $\dashv$ | $\top$   | $\top$   |  |       | 138        |          |                   | ✝        | 丁        | 1         |                | 丁            | _            | $\exists$ |
|  | 39       |           |                  |          | L        | L  | L            |  |              |  |       | 89       |                 |                 |           |          |          | Ι        |          |  |       | 139        |          | $\Box$            | $\Box$   |          | $\prod$   | $\Box$         | $\perp$      |              |           |
|  | 40       | 1         |                  |          |          |  |              |  |              |  |       | 90       |                 |                 |           | $\Box$   | $\perp$  |          |          |  |       | 140        |          |                   | Ţ        | $\bot$   | $\perp$   | $\bot$         | $\bot$       | Ţ            |           |
|  | 41       | Ī         | 匚                |          |          |  |              |  | 匚            |  |       | 91       |                 |                 | $\Box$    |          |          | <u> </u> |          |  |       | 141        |          | Щ                 | 4        | $\perp$  | _         | _              | _            | 4            | _         |
|  | 42       | 4         | L                | L        | 1_       |  | L            |  | Щ            | _  |       | 92       | L               | Ш               | Щ         | _        | _        | $\perp$  | <u> </u> | <u> </u>   |       | 142        | Ш        | <u> </u>          | 4        | $\bot$   | 4         |                | $\dashv$     | 4            | ᆜ         |
|  | 43       | 4         | L.               | $\vdash$ | 1        | <u> </u>   | <b> </b>     | <u> </u>   | <del> </del> | <u> </u>   |       | 93       | _               | Щ               | $\sqcup$  | $\dashv$ | _        | +        | -        | <u> </u>   |       | 143        |          |                   | +        | +        | +         | -              |              | 4            | 4         |
|  | 44<br>45 | ╀         |                  | $\vdash$ | ┼-       | <del> </del> -                                   |              | -  | ├            | $\vdash$   |       | 94<br>95 | ⊢               | Н               | $\dashv$  | $\dashv$ | +        | +        | +        | <del> </del>                                     |       | 144<br>145 |          |                   | +        | +        | +         | $\dashv$       | +            | +            | $\dashv$  |
| $\vdash \vdash$                                  | 46       | +         | $\vdash$         | ┝        | ┼        | ├  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   |       | 96       | -               | Н               | $\dashv$  | $\dashv$ | +        | +        | +        | -  |       | 146        | $\vdash$ | $\vdash$          | +        | +        | +         | $\dashv$       | +            | +            | $\dashv$  |
| <del>  </del>                                    | 47       | +         | $\vdash$         | H        | +        | $\vdash$   | H            | $\vdash$   | $\vdash$     | $\vdash$   |       | 97       | ╁               | Н               | $\dashv$  | $\dashv$ | +        | +        | +        | $\vdash$   |       | 147        |          | $\vdash \vdash$   | +        | +        | +         | $\dashv$       | $\dashv$     | +            | ᅱ         |
| <del>                                     </del> | 48       | +         | <del>  -  </del> | $\vdash$ | $\vdash$ | <del>  -</del>                                   | $\vdash$     |  | $\vdash$     | $\vdash$   |       | 98       | $\vdash$        | Н               |           | $\dashv$ | +        | +        | +        | <del>                                     </del> |       | 148        | H        | -+                | +        | 十        | $\dagger$ | $\dashv$       | $\dashv$     | +            | $\dashv$  |
|  | 49       | $\dagger$ | t                | +        | 1        | $\vdash$   |              | <del>                                     </del> | $t^{-}$      | $\vdash$   |       | 99       | $\vdash$        | Н               | $\dashv$  | -        | +        | +        | +        | $\vdash$   |       | 149        | H        | $\vdash$          | $^{+}$   | $\dashv$ | 十         | $\dashv$       | 十            | $\dagger$    | ㅓ         |
|  |          | \         |                  |          | L        | L  |              |  |              |  |       | 100      |                 |                 |           |          | 丁        | 1        | T        |  |       | 150        |          |                   | ⇉        | 丁        | ⇉         | 丁              | 丁            |              |           |